JS Patterns

**DEADLINE:** 24/03/2020

## DESCRIPTION

There’s a Resource Manager (next RM) position at Epam. RM is a developer and a manager at the same time. RM owns a pool of developers some of which may also be RMs and have their own pools.

A pool is a group of developers with an RM on top.

Basically, this is a simple tree-like structure:

A picture containing clock

Description automatically generated

Let’s imagine, you’re the top RM and need to keep track of all of your direct or indirect subordinates.

## TASK

* Implement a simple UI to display 3 different tabs**: All Employees / All Units / Warning Employees**
* Take mock file with data from here**: https://roman4ak.github.io/fe-oop-lab/mocks/epms.json**
* All Employees tab: Tree-like list (table) of all the Employees with RMs highlighted
* All Units tab: Tree-like list (table) of units with average data by unit (all employees)
* Warning Employees tab: List of employees selected by a specific criterion (to be chosen on your own, e.g. performance is low and salary is above average by pool)

## HINTS

* Use Composite pattern to build employees trees
* Try to use Strategy pattern to make different selections of employees
* You can use any preferred technology or framework (jQuery, React, Angular, Vanilla.JS etc.).
* Don’t pay too much attention to the UI part, the main task is patterns
* Forget about hammer and nails saying for now ☺

## BEFORE SUBMIT

* Remove all unnecessary files that you might have included by mistake
* Verify that all functionality is implemented according to requirements
* Add comments if the code is difficult to understand
* Fix warnings/errors in the browser console
* Make sure there are no errors/warnings in the browser console
* Run the linter and fix all warnings and errors

## SUBMIT

* The folder should be uploaded to your GitHub repository into master branch

## USEFUL LINKS (and books)

* https://refactoring.guru/design-patterns
* Дизайн-патерни — просто, як двері. Андрій Будай
* http://sourcemaking.com/